What is claimed is:

- 1. An extract of black tea comprising theaflavin-3-gallate and theaflavin-3'-gallate.
- 2. A composition comprising the extract of claim 1 5 in combination with at least one other compound selected from a rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a green tea extract, an orange peel extract, or a hydroxylated or methoxylated resveratrol analog.
- 3. A method for inhibiting tumor cell growth in an animal comprising administering to an animal the extract of claim 1.
- A method for preventing or treating disease associated with Cox-2 gene expression in an animal
 comprising administering to an animal an effective amount of an extract of claim 1 and wherein said disease is selected from the group consisting of cancer, inflammation, and arthritis.
- 5. The method of claim 4 wherein the extract is administered in combination with at least one additional compound selected from a rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a hydroxylated resveratrol analog, a green tea extract, an orange peel extract, or a methoxylated resveratrol analog.